

Abstract

5 A method of preparing a ceramic artificial crown by
applying at least one kind of dental porcelain selected
from the group consisting of a body porcelain, an incisal
porcelain and a translucent porcelain onto the surface of
a ceramic core molded by heating and softening a ceramic
material and putting it into a mold with the application
of a pressure followed by firing; wherein
10 said mold is the one formed by burning a wax pattern
after having removed a crucible former from an assembly
which comprises:
said crucible former having a pole member formed
on the central portion of a cylinder with bottom,
15 said pole member having a recessed fitting portion at
a central portion in the upper surface thereof;
said wax pattern secured to said recessed fitting
portion and applied with a solid lubricant on the
surface thereof;
20 a ring with a backing layer that engages with said
cylinder with bottom; and
a investment material filled and cured between
said ring and a tooth model; and wherein
a portion corresponding to the pole member of the
25 crucible former of said mold is filled with a ceramic
material which is, then, pushed by a plunger to mold a
ceramic core.
This method makes it possible to efficiently prepare
a fully ceramic artificial crown of a high quality in a
30 short period of time.